

INTERNATIONAL SEARCH REPORT

International Application No
PCT/CH 03/00628

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B65G1/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B65G B66F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 394 104 A (PIZZI GIACOMO ET AL) 19 July 1983 (1983-07-19)	1-3,8
Y	column 3, line 63 -column 5, line 37 figures 1-6	4
Y	DE 38 30 373 A (PSB FOERDERANLAGEN) 23 March 1989 (1989-03-23)	4
	column 7, line 39 -column 9, line 51 figures 1-9	
A	DE 33 24 349 C (MANNESMANN AG) 22 November 1984 (1984-11-22)	1
	column 3, line 36 -column 4, line 16 figures 1-6	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

7 January 2004

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15/01/2004

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CH 03/00628

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4394104	A	19-07-1983	IT	1166132 B	29-04-1987
			DE	3026798 A1	12-02-1981
DE 3830373	A	23-03-1989	DE	3830373 A1	23-03-1989
DE 3324349	C	22-11-1984	DE	3324349 C1	22-11-1984